Rick Rabiser

List of Publications by Year
in descending order

115 papers	2,174 citations	516710 16 h-index	434195 31 g-index
121 all docs	121 docs citations	121 times ranked	795 citing authors

#	Article	IF	Citations
1	Cool features and tough decisions. , 2012, , .		255
2	The DOPLER meta-tool for decision-oriented variability modeling: a multiple case study. Automated Software Engineering, 2011, 18, 77-114.	2.9	146
3	Software diversity: state of the art and perspectives. International Journal on Software Tools for Technology Transfer, 2012, 14, 477-495.	1.9	129
4	A systematic review and an expert survey on capabilities supporting multi product lines. Information and Software Technology, 2012, 54, 828-852.	4.4	112
5	Structuring the modeling space and supporting evolution in software product line engineering. Journal of Systems and Software, 2010, 83, 1108-1122.	4.5	90
6	A comparison of decision modeling approaches in product lines. , 2011, , .		89
7	Requirements for product derivation support: Results from a systematic literature review and an expert survey. Information and Software Technology, 2010, 52, 324-346.	4.4	82
8	Agile product line planning: A collaborative approach and a case study. Journal of Systems and Software, 2008, 81, 868-882.	4.5	67
9	CASE Tool Support for Variability Management in Software Product Lines. ACM Computing Surveys, 2018, 50, 1-45.	23.0	51
10	Flexible and scalable consistency checking on product line variability models. , 2010, , .		50
11	A comparison framework for runtime monitoring approaches. Journal of Systems and Software, 2017, 125, 309-321.	4.5	47
12	Configuration. IEEE Intelligent Systems, 2007, 22, 78-90.	4.0	45
13	ReMinds : A flexible runtime monitoring framework for systems of systems. Journal of Systems and Software, 2016, 112, 123-136.	4.5	44
14	A qualitative study on user guidance capabilities in product configuration tools. , 2012, , .		41
15	Supporting distributed product configuration by integrating heterogeneous variability modeling approaches. Information and Software Technology, 2015, 62, 78-100.	4.4	40
16	Requirements monitoring frameworks: A systematic review. Information and Software Technology, 2016, 80, 89-109.	4.4	34
17	Supporting Product Derivation by Adapting and Augmenting Variability Models. , 2007, , .		30
18	Configuration of Multi Product Lines by Bridging Heterogeneous Variability Modeling Approaches. , 2011, , .		27

#	ARTICLE	IF	CITATIONS
19	A case study on testing, commissioning, and operation of very-large-scale software systems. , 2014, , .		27
20	Model-Based Customization and Deployment of Eclipse-Based Tools: Industrial Experiences. , 2009, , .		24
21	Yet another textual variability language?. , 2021, , .		23
22	Towards Mastering Variability in Software-Intensive Cyber-Physical Production Systems. Procedia Computer Science, 2021, 180, 50-59.	2.0	22
23	Integrated tool support for software product line engineering. , 2007, , .		19
24	Decision-Oriented Modeling of Product Line Architectures. , 2007, , .		18
25	Supporting Evolution in Model-Based Product Line Engineering. , 2008, , .		18
26	A study and comparison of industrial vs. academic software product line research published at SPLC. , 2018, , .		18
27	Integrated Support for Product Configuration and Requirements Engineering in Product Derivation. , 2007, , .		17
28	Key activities for product derivation in software product lines. Journal of Systems and Software, 2011, 84, 285-300.	4.5	17
29	Facilitating the evolution of products in product line engineering by capturing and replaying configuration decisions. International Journal on Software Tools for Technology Transfer, 2012, 14, 613-630.	1.9	17
30	Teaching Software Product Lines. ACM Transactions on Computing Education, 2017, 18, 1-31.	3.5	16
31	Predicting user demographics from music listening information. Multimedia Tools and Applications, 2019, 78, 2897-2920.	3.9	16
32	A domain analysis of resource and requirements monitoring: Towards a comprehensive model of the software monitoring domain. Information and Software Technology, 2019, 111, 86-109.	4.4	16
33	Using constraint programming to verify DOPLER variability models. , 2011, , .		15
34	Custom-developed vs. model-based configuration tools. , 2013, , .		15
35	Domain-specific Adaptations of Product Line Variability Modeling. , 2007, , 238-251.		14
36	Product line bundles for tool support in multi product lines. , 2011, , .		14

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37	Developing a DSL-Based Approach for Event-Based Monitoring of Systems of Systems: Experiences and Lessons Learned (E). , 2015, , .		14
38	Simulating evolution in model-based product line engineering. Information and Software Technology, 2010, 52, 758-769.	4.4	13
39	Visualization techniques for application in interactive product configuration. , 2011, , .		13
40	A Flexible Framework for Runtime Monitoring of System-of-Systems Architectures. , 2014, , .		13
41	Evolution in dynamic software product lines. , 2015, , .		13
42	Using regression testing to analyze the impact of changes to variability models on products. , 2012, , .		12
43	Assessing the usefulness of a requirements monitoring tool. , 2016, , .		12
44	Monitoring CPS at Runtime - A Case Study in the UAV Domain. , 2018, , .		12
45	TRAVART: An Approach for Transforming Variability Models. , 2021, , .		12
46	Variability Transformation from Industrial Engineering Artifacts. , 2020, , .		12
47	Architectural Knowledge in Product Line Engineering: An Industrial Case Stu. , 0, , .		11
48	Product Line Tools are Product Lines Too: Lessons Learned from Developing a Tool Suite. , 2008, , .		11
49	Flexibility and End-User Support in Model-Based Product Line Tools. , 2009, , .		11
50	A requirements monitoring model for systems of systems. , 2015, , .		11
51	Variability and Complexity in Software Design. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2017, 41, 27-30.	0.7	11
52	Developing and evolving a DSL-based approach for runtime monitoring of systems of systems. Automated Software Engineering, 2018, 25, 875-915.	2.9	11
53	Supporting the Evolution of Product Line Architectures with Variability Model Fragments. , 2008, , .		10
54	Success factors for empirical studies in industry-academia collaboration: A reflection. , 2013, , .		10

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55	Evolution in dynamic software product lines. Journal of Software: Evolution and Process, 2021, 33, e2293.	1.6	10
56	A Flexible Approach for Generating Product-Specific Documents in Product Lines. Lecture Notes in Computer Science, 2010, , 47-61.	1.3	10
57	Towards Multidisciplinary Delta-Oriented Variability Management in Cyber-Physical Production Systems. , 2022, , .		10
58	A Deployment Infrastructure for Product Line Models and Tools. , 2011, , .		9
59	Modeling multiplicity and hierarchy in product line architectures. , 2014, , .		9
60	Capturing Multimedia Requirements Descriptions with Mobile RE Tools. , 2006, , .		8
61	A survey on teaching of software product lines. , 2013, , .		8
62	Integrating heterogeneous variability modeling approaches with invar. , 2013, , .		8
63	Systematic Knowledge Engineering: Building Bodies of Knowledge from Published Research. International Journal of Software Engineering and Knowledge Engineering, 2014, 24, 1533-1571.	0.8	8
64	Three-Level Customization of Software Products Using a Product Line Approach. , 2009, , .		7
65	Variability Management for a Runtime Monitoring Infrastructure. , 2015, , .		7
66	First International Workshop on Languages for Modelling Variability (MODEVAR 2019). , 2019, , .		7
67	Testing of Highly Configurable Cyber-Physical Systems â€" A Multiple Case Study. , 2021, , .		7
68	A reusable set of real-world product line case studies for comparing variability models in research and practice. , 2021, , .		7
69	Evolution-Driven Trace Acquisition in Eclipse-Based Product Line Workspaces. , 2012, , 195-213.		7
70	Assessing the Usefulness of a Visual Programming IDE for Large-Scale Automation Software. , 2021, , .		7
71	Efficient Production Process Variability Exploration. , 2022, , .		7
72	Negotiation constellations in reactive product line evolution. , 2010, , .		6

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73	Evolving systems of systems. , 2013, , .		6
74	Industrial and Academic Software Product Line Research at SPLC. , 2019, , .		6
75	Variability Model Transformations: Towards Unifying Variability Modeling. , 2020, , .		6
76	A Systematic Mapping Study on DSL Evolution. , 2017, , .		5
77	Mining constraints for event-based monitoring in systems of systems. , 2017, , .		5
78	Visualization support for requirements monitoring in systems of systems. , 2017, , .		5
79	Towards heterogeneous multi-dimensional variability modeling in cyber-physical production systems. , 2021, , .		5
80	A Constraint Mining Approach to Support Monitoring Cyber-Physical Systems. Lecture Notes in Computer Science, 2019, , 659-674.	1.3	5
81	Supporting Multiplicity and Hierarchy in Model-Based Configuration: Experiences and Lessons Learned. Lecture Notes in Computer Science, 2014, , 320-336.	1.3	5
82	From Requirements Monitoring to Diagnosis Support in System of Systems. Lecture Notes in Computer Science, 2017, , 181-187.	1.3	5
83	Towards Transforming Variability Models. , 2020, , .		5
84	Involving Non-Technicians in Product Derivation and Requirements Engineering: A Tool Suite for Product Line Engineering. , 2007, , .		4
85	Prediction of User Demographics from Music Listening Habits. , 2017, , .		4
86	2nd International Workshop on Visualisation in Software Product Line Engineering (ViSPLE 2008). , 2008, , .		3
87	Supporting end users with business calculations in product configuration. , 2012, , .		3
88	Teaching software product lines. , 2018, , .		3
89	A User Study on the Usefulness of Visualization Support for Requirements Monitoring. , 2019, , .		3
90	Using Constraint Mining to Analyze Software Development Processes. , 2019, , .		3

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91	Supporting Product Derivation by Adapting and Augmenting Variability Models. , 2007, , .		3
92	SPLTea 2014. , 2014, , .		3
93	A Systematic Study as Foundation for a Variability Modeling Body of Knowledge. , 2021, , .		3
94	Supporting business calculations in a product line engineering tool suite. , 2011, , .		2
95	SPLTea 2015. , 2015, , .		2
96	Event capture and compare for runtime monitoring of systems of systems. , 2016, , .		2
97	An Event-based Capture-and-Compare Approach to Support the Evolution of Systems of Systems. , 2017, , .		2
98	Formal Methods and Analysis in Software Product Line Engineering (FMSPLE 2011). , 2011, , .		1
99	Fourth International Workshop on Model-driven Approaches in Software Product Line Engineering (MAPLE 2012). , 2012, , .		1
100	Supporting Model Maintenance in Component-based Product Lines. , 2012, , .		1
101	Configuring and Generating Technical Documents. , 2014, , 241-250.		1
102	The ReMinds Tool Suite for Runtime Monitoring of Systems of Systems. , 2015, , .		1
103	Supporting Diagnosis of Requirements Violations in Systems of Systems. , 2018, , .		1
104	Third International Workshop on Languages for Modelling Variability (MODEVAR@SPLC 2020). , 2020, , .		1
105	Mining constraints for monitoring systems of systems. , 2019, , .		1
106	Evolution Support forÂCustom Variability Artifacts Using Feature Models: A Study inÂtheÂCyber-Physical Production Systems Domain. Lecture Notes in Computer Science, 2022, , 79-84.	1.3	1
107	Joint Workshop of the Third International Workshop on Model-Driven Approaches in Software Product Line Engineering and the Third Workshop on Scalable Modeling Techniques for Software Product Lines (MAPLE/SCALE 2011). , 2011, , .		0
108	SPLC 2012 Doctoral Symposium. , 2012, , .		0

#	Article	IF	Citations
109	First International Workshop on Multi Product Line Engineering (MultiPLE 2013). , 2013, , .		0
110	Monitoring Requirements in Systems of Systems. IEEE Software, 2016, 33, 22-24.	1.8	0
111	SPLtea 2018. , 2018, , .		0
112	A comparison framework for runtime monitoring approaches (journal-first abstract). , 2018, , .		0
113	Comparing Constraints Mined From Execution Logs to Understand Software Evolution. , 2019, , .		0
114	How flexible must a transformation approach for variability models and custom variability representations be?. , 2021, , .		0
115	Joint Workshop of the 5thInternational Workshop on Model-Driven Approaches in Software Product Line Engineering and the 4thWorkshop on Scalable Modeling Techniques for Software Product Lines (MAPLE/SCALE 2013). , 2013, , .		0